

Highway 99 (78th Street to RR Crossing) Concept Plan
Option 2 - Medium Improvements
Comparative Cost Estimate

Date: 5/1/2013

Analyst: Otak, Inc.

	Quantity	Unit	Unit Cost	Total Item Cost
Mainline (Hwy 99 - 78th Street to 63rd Street) Construction Costs				
Sidewalk and Pedestrian Ramp Improvements	1	LS	\$900,000	\$900,000
Pavement Inlay (2-inch)	1	LS	\$760,000	\$760,000
Stormwater Collection	1	LS	\$100,000	\$100,000
Transit Stop Relocation	5	Each	\$5,000	\$25,000
Landscaping	300	Each	\$400	\$120,000
Streetscape Amenities - Category I	150	Each	\$2,500	\$375,000
Traffic Signal Improvements	1	LS	\$1,000,000	\$1,000,000
Access Control Measures	1	LS	\$360,000	\$360,000
Utility Undergrounding (Both Sides)	9,000	LF	\$250	\$2,250,000
			SUBTOTAL	\$5,890,000
			Contingencies (30% of Subtotal)	\$1,767,000
			MAINLINE CONSTRUCTION COSTS SUBTOTAL	\$7,657,000
Pedestrian Improvements (Hwy 99 - south of 63rd Street) Construction Costs				
Multi-use Path Improvements	1	LS	\$121,000	\$121,000
Retaining Walls	2,800	SF	\$130	\$364,000
Hwy 99 Inlay/Restriping	1	LS	\$170,000	\$170,000
			SUBTOTAL	\$655,000
			Contingencies (30% of Subtotal)	\$196,500
			PEDESTRIAN IMPROVEMENTS COSTS SUBTOTAL	\$851,500
			CONSTRUCTION COSTS SUBTOTAL	\$8,508,500
Engineering / Design				
Preliminary Engineering (20% of Total Construction Costs)				\$1,701,700
Construction Engineering (15% of Total Construction Costs)				\$1,276,300
			ENGINEERING / DESIGN SUBTOTAL	\$2,978,000
			DESIGN & CONSTRUCTION SUBTOTAL	\$11,500,000
Right-of-Way / Property Restoration				
Right-of-Way Acquisition	10,000	SF	TBD	TBD
			RIGHT-OF-WAY / PROPERTY RESTORATION SUBTOTAL	\$0
			TOTAL PROJECT COSTS	\$11,500,000

Notes:

- Sidewalk and ped ramp construction includes earthwork, curb, sidewalk, traffic control, and erosion control on mainline Hwy 99 only. No construction costs are included for modifications to side streets.
- Pavement overlay includes 2-inch grind and inlay from curb to curb between 78th Street and 63rd Street, re-striping and traffic control.
- Stormwater Collection includes replacing existing catch basins and reconnecting existing laterals
- Transit Stop Relocation includes concrete pad, shelter w/ bench, and signage.
- Landscape includes one street tree in tree well every 30-ft O.C. average.
- Streetscape amenities includes: (1) Category I amenity every 60 LF.
- Assumes sidewalks are installed using pervious concrete or the net increase in pervious pavement does not trigger Minimum Requirements 6 and 7.
- Signal improvements include new signals at all existing signalized intersections.
- Access control measures include a \$10,000 allowance for each driveway closure.
- Multi-use path includes cement concrete path, grading, and curb and sidewalk at RR bridge.
- Costs are in 2013 dollars
- Based on Options 1, 2, 3A and 3B, dated May 2013.
- Assumes existing street level lighting will remain, not additional illumination included.
- These costs are not based on itemized construction costs and are for comparison purposes only.**